TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2017-07-26-01** **Date: 29-07-17**
Customer	:	Assistant Executive Engineer, Dasarahalli sub division, BBMP, Bangalore.
Address	:	Dasarahalli sub division, BBMP, Bangalore.
Project Name	:	Improvements & Construction of CC road from pampa Mahakavi Kuvempu road to Prashantha Nagara cross road in Dasarahalli in Ward No.15 Dasarahalli sub division.
Agency	:	Sri N.Shivananda, No.35, 2nd Cross, 1st A Main road, Defiance colony, Bagalagunte, Bangalore.
Customer's Reference	:	EE/DD/WO/97/17-18
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	26-07-17
Sample ID No	:	2017-07-26-01/02(b)
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	26-07-17

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	318	318	2.1	97.9	90-100
3	20 mm	7185	7503	50.0	50.0	30-70
4	10 mm	5178	12681	84.5	15.5	10-35
5	4.75 mm	1754	14435	96.2	3.8	0-5
6	Pan	565	15000	100.0	0	---

CIVIL PRO BANGALORE Sig..... Date.....

TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2017-07-26-01** **Date: 29-07-17**

Sample ID No : 2017-07-26-01/02(b)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	11.7	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	13.5	
3	Specific Gravity	2.59	–
4	Bulk Density(Loose) (Kg/l)	1.51	–
5	Bulk Density(Compacted) (Kg/l)	1.55	–
6	Water Absorption(%)	0.27	–

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
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Samples will be disposed after 30 days from the date of issue of test certificate

FOR CIVIL Pro.

CIVIL PRO Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2017-07-26-01** **Date: 28-07-17**
Customer	:	Assistant Executive Engineer, Dasarahalli sub division, BBMP, Bangalore.
Address	:	Dasarahalli sub division, BBMP, Bangalore.
Project Name	:	Improvements & Construction of CC road from pampa Mahakavi Kuvempu road to Prashantha Nagara cross road in Dasarahalli in Ward No.15 Dasarahalli sub division.
Agency	:	Sri N.Shivananda, No.35, 2nd Cross, 1st A Main road, Defiance colony, Bagalagunte, Bangalore.
Customer's Reference	:	EE/DD/WO/97/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	26-07-17
Sample ID No	:	2017-07-26-01/01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	27-07-17

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	3.28	_
2	Finess by Air permeablity method (m^2/kg, Min)	279.5	225m^2/kg, Min
3	Density (gm/cc)	3.19	_
4	Standard Consistency (%)	29.0%	Not specified
5	Initial Setting time	215 minutes	Not less than 30 minutes
6	Final Setting time	275 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

Note:

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro Sig..... Date..... BANGALORE

****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY &NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: T- 4358

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP-2017-07-26-01 **Date: 24-08-17**
Customer	:	Assistant Executive Engineer, Dasarahalli sub division, BBMP, Bangalore.
Address	:	Dasarahalli sub division, BBMP, Bangalore.
Project Name	:	Improvements & Construction of CC road from pampa Mahakavi Kuvempu road to Prashantha Nagara cross road in Dasarahalli in Ward No.15 Dasarahalli sub division.
Agency	:	Sri N.Shivananda, No.35, 2nd Cross, 1st A Main road, Defiance colony, Bagalagunte, Bangalore.
Customer's Reference	:	EE/DD/WO/97/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	26-07-17
Sample ID No	:	2017-07-26-01/01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	27-07-17

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	28.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.0N/mm^2	Not less than 37 N/mm^2
3	28 Days	55.5N/mm^2	Not less than 53 N/mm^2

Note:
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****End of Report****

FOR CIVIL Pro.
R KARTHIK RECHAN
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Quality Manager

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